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Fig. 1

Fret

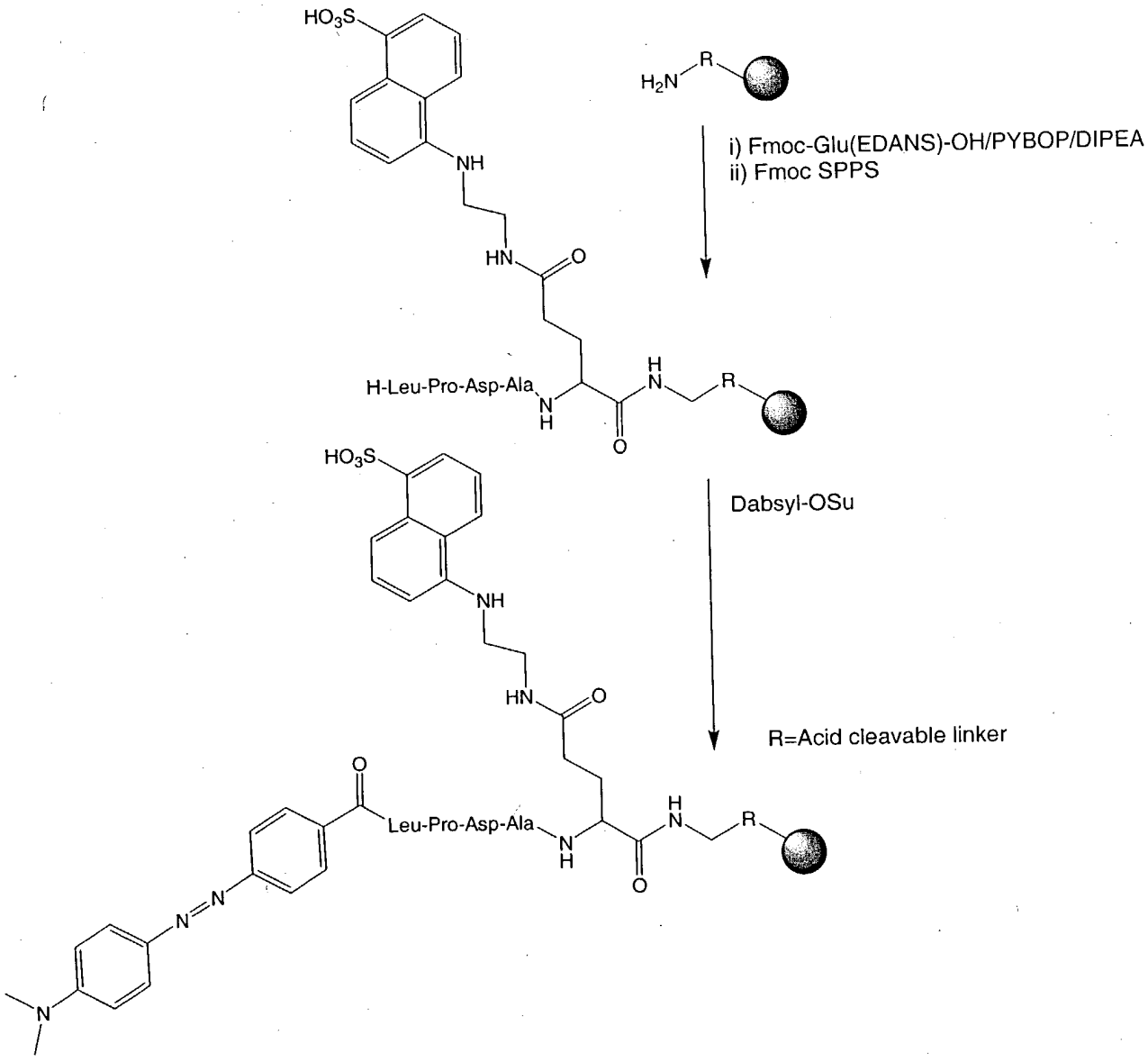
HO3S
NH
HN
O
H-Leu-Pro-Asp-Ala
N
H
H2N
R
i) Fmoc-Glu(EDANS)-OH/PYBOP/DIPEA
ii) Fmoc SPPS
Dabsyl-OSu
R=Acid cleavable linker
N=N

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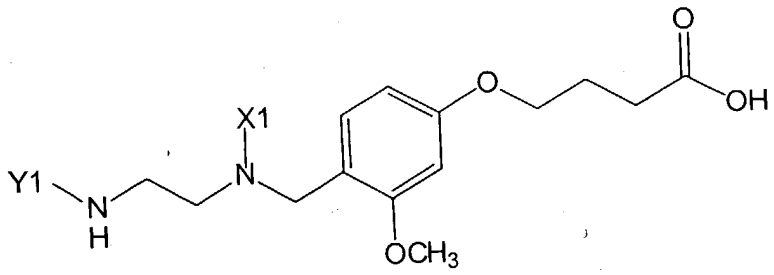
Fig. 2



X1=Mmt or Fmoc
Y1=Fmoc or Mmt

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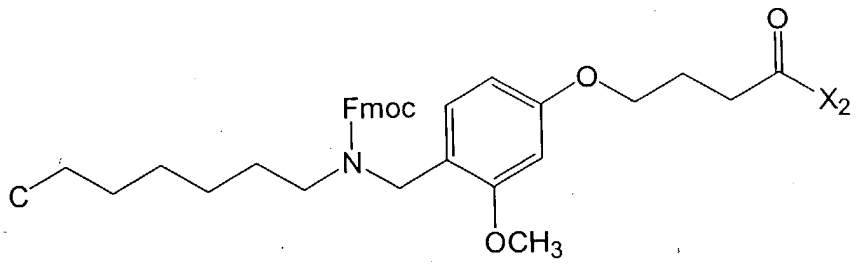
Fig. 3



C=STrt, SMmt, NBocNBoc$_2$, O-NBoc$_2$, CH(OCH$_3$)$_2$

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Fig. 4

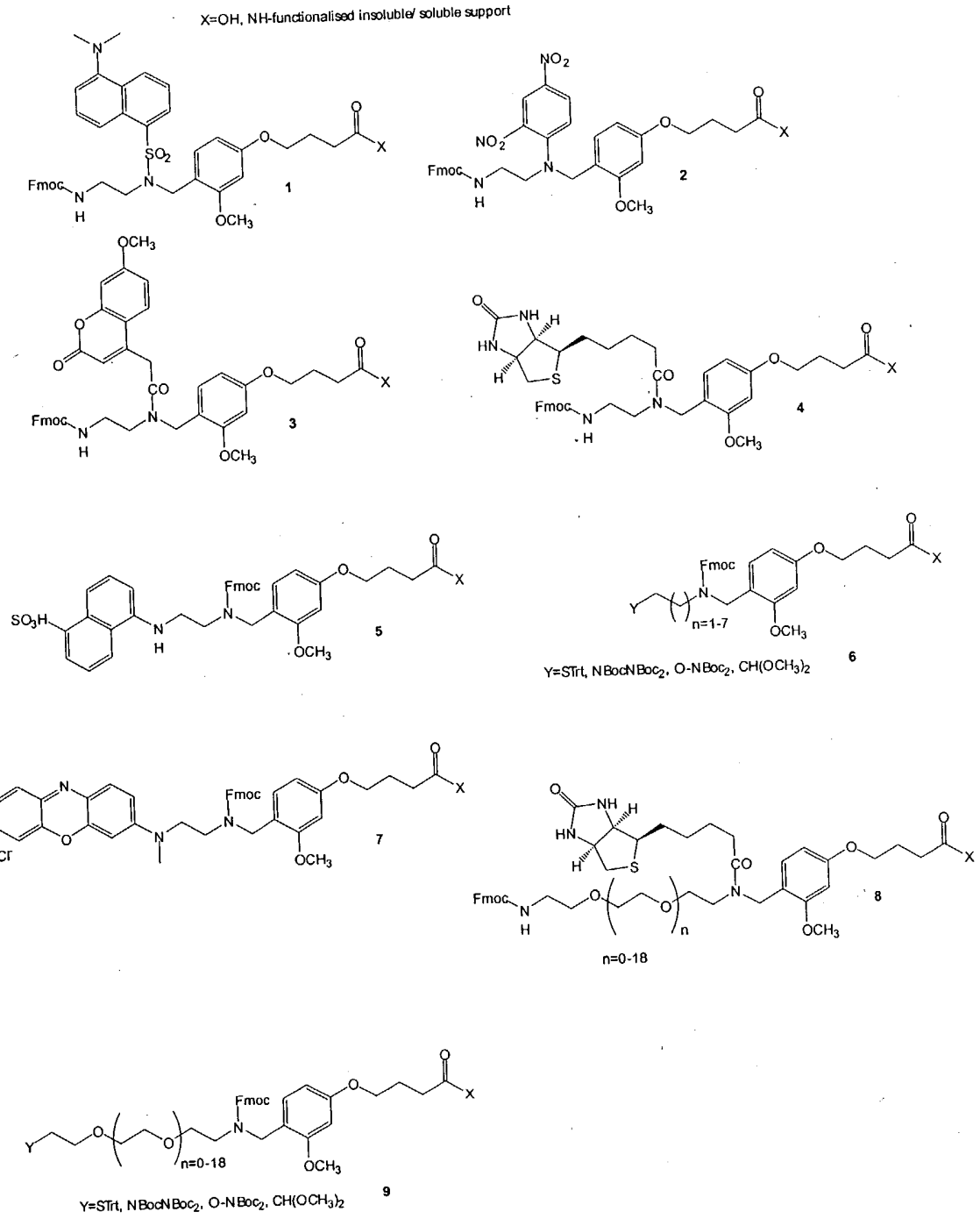
X=OH, NH-functionalised insoluble/ soluble support
1
2
3
4
5
6
Y=STrt, NBocNBoc2, O-NBoc2, CH(OCH3)2
n=1-7
7
8
n=0-18
9
Y=STrt, NBocNBoc2, O-NBoc2, CH(OCH3)2
n=0-18

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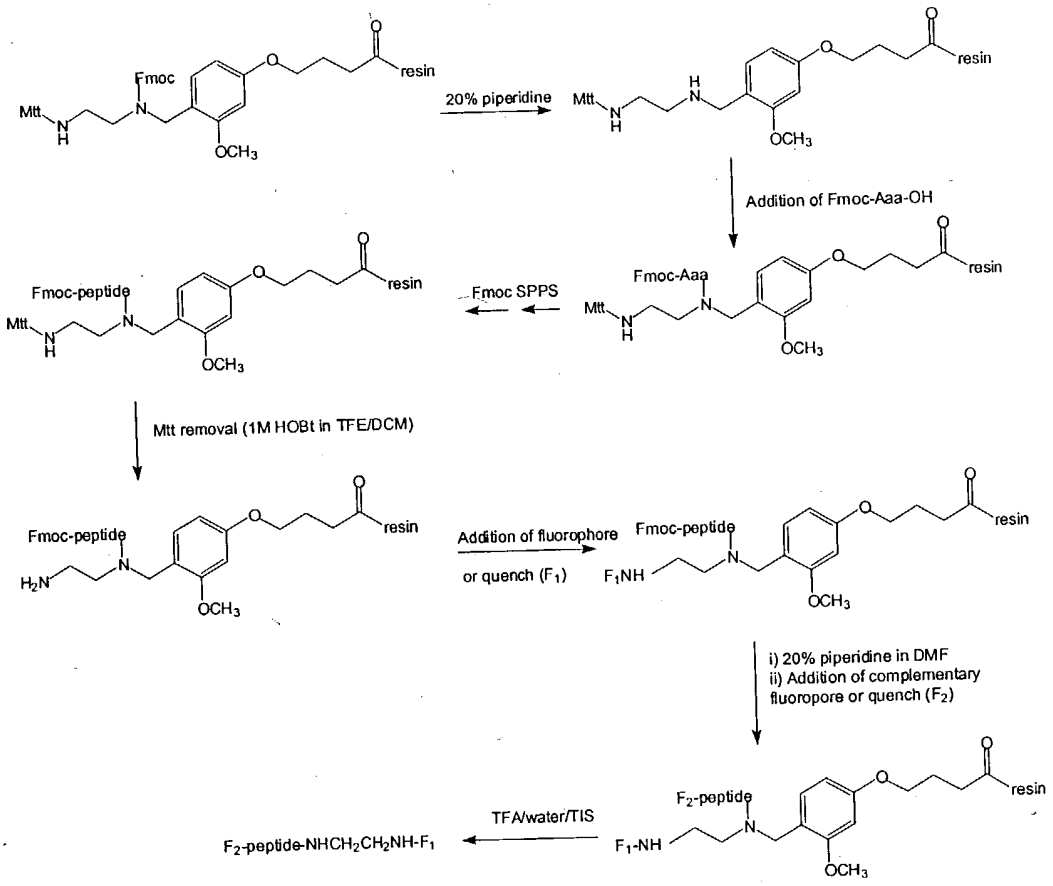
Fig. 5


Fmoc
Mtt
resin
20% piperidine
OCH3
Addition of Fmoc-Aaa-OH
Fmoc-Aaa
Fmoc SPPS
Fmoc-peptide
Mtt removal (1M HOBt in TFE/DCM)
H2N
Addition of fluorophore
or quench (F1)
F1NH
i) 20% piperidine in DMF
ii) Addition of complementary
fluoropore or quench (F2)
F2-peptide
TFA/water/TIS
F2-peptide-NHCH2CH2NH-F1
F1-NH